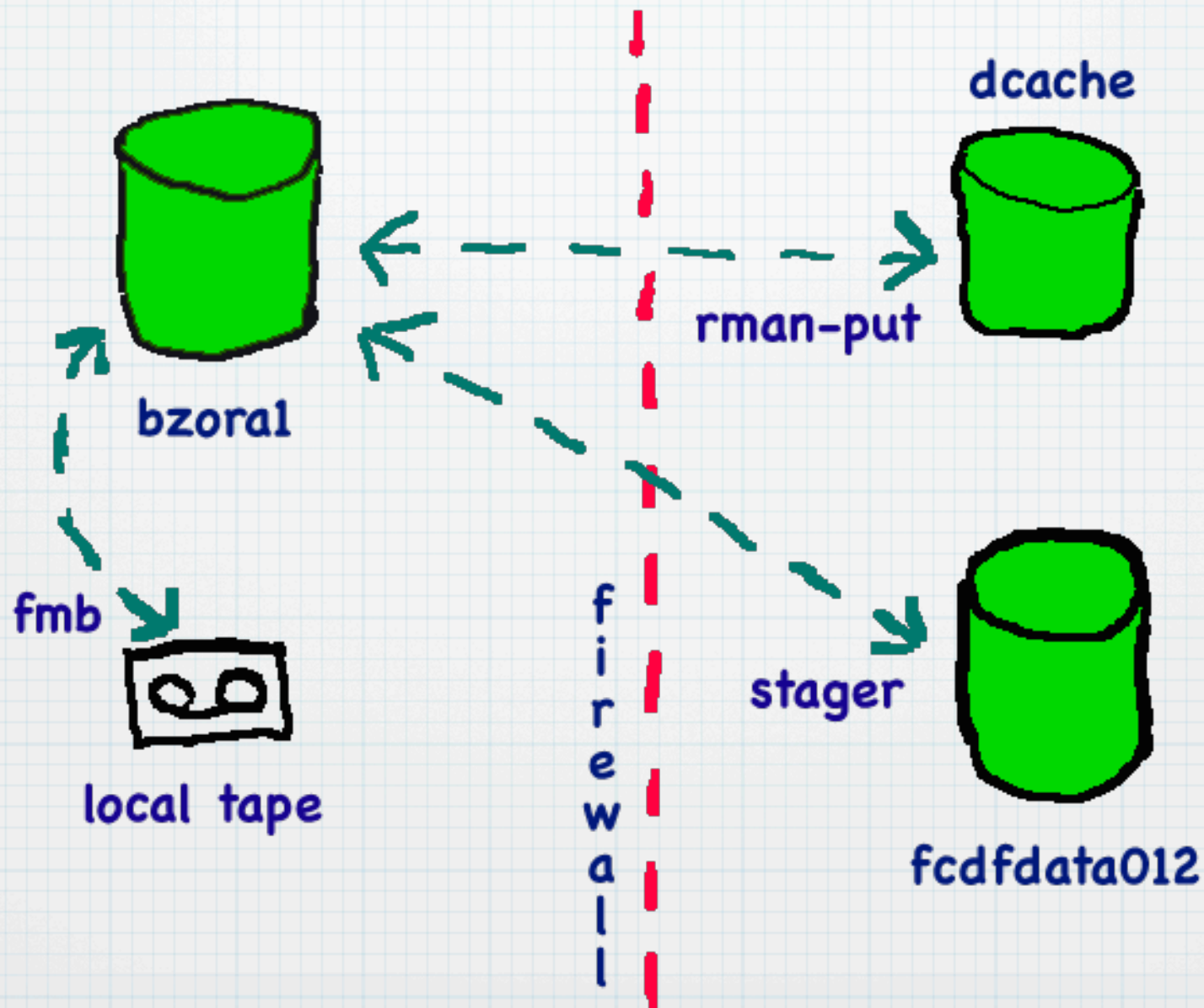


Oracle Backups for CDFONPRD

May 11, 2005

The current picture



Local disk based backups

- * Room for two rman filesets, plus
- * Room for about 100GB of archives (about 10 days worth)
- * More disks on the way

Local tape backups

- * Room for daily RMAN, or archives
- * One tape drive broken
- * No service agreement
- * Currently, we send an operating system backup to Dcache weekly

RMAN to DCache

- * Working reliably, fully automated for dailys
- * Data integrity tested twice via recovery
- * Data integrity tested 4 times via md5sum
- * Not currently using the weekly or monthly PNFS directory structure
- * Intend to send weekly on Sunday, monthly on 1st
- * No archives being sent yet
- * PNFS metadata maintenance being done manually

RMAN to 'data087

- * RMAN files verified via md5sum when sent
- * Archives are sent (and verified) as well
- * Fully automated, working unattended
- * ? (Ray?)

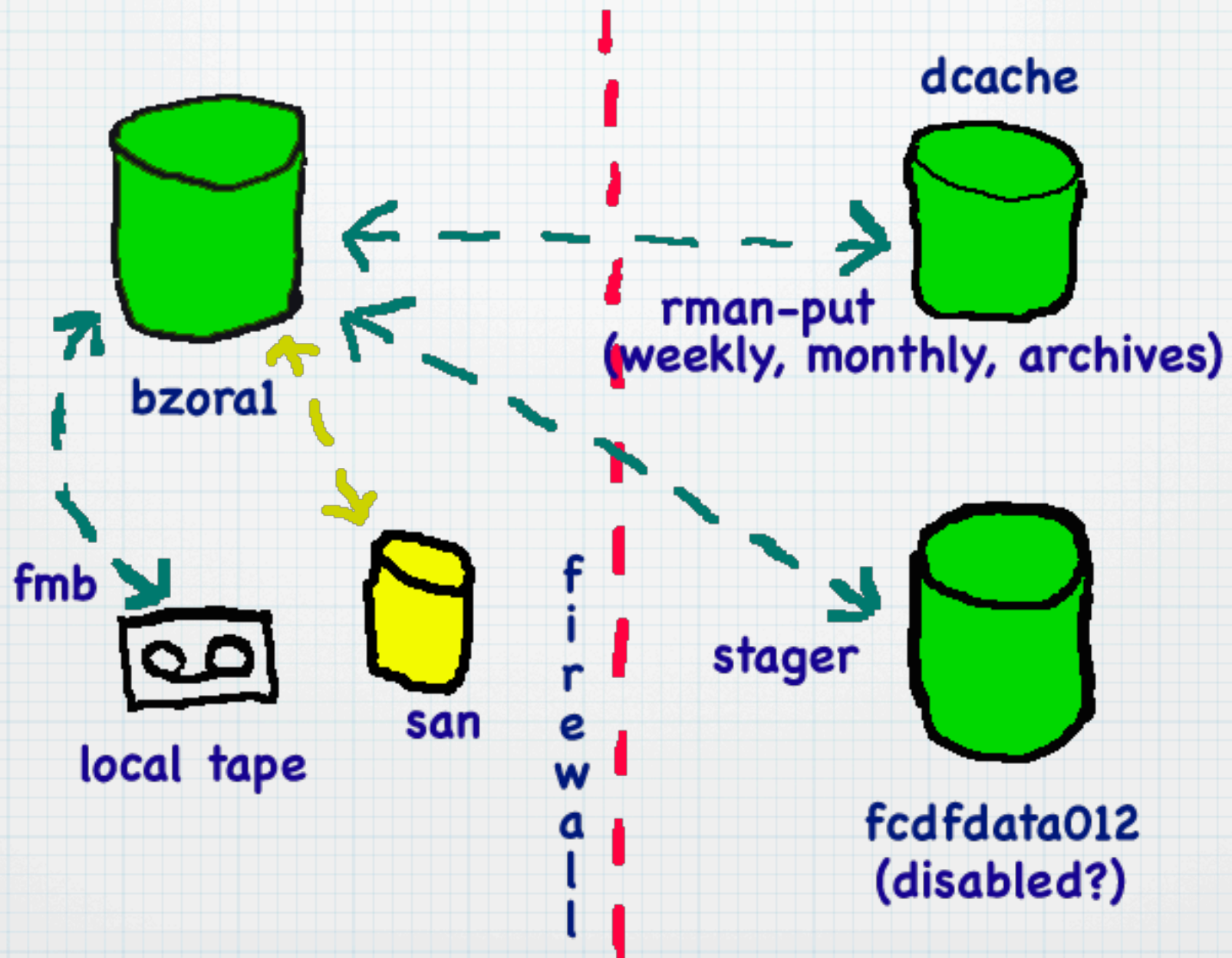
Status

- * RMAN to DCache is working nicely, but needs fine tuning to fit our (DSG) standard, firewall-independent backup model
- * Work is proceeding on this project
- * More local disk will arrive soon, allowing several more days of backups to be kept locally

Status, cont.

- * Local tape library is not fully functional
- * A replacement drive will be more than \$2,000
- * Technology is approaching obsolescence
- * No service agreement
- * CDF - Repair? Replace? Ignore?

Coming soon



bzoral & the SAN

- * Work on the fibre from FCC to B0 has begun
- * Connectors and HBA on order
- * Connecting bzoral to the SAN will require downtime (realistically, a couple of hours)
- * Use of the SAN for database backups is part of our (DSG) standard backup model

Recovery Summary

Location of RMAN & Archives	Delay before beginning recovery
Local Disk	None
DCache (Write Pool)	2.5 to 3 hours
ENSTORE (on tape)	Around 9 hours
SAN	None

Questions?